



ENTERED

OIPE

## RAW SEQUENCE LISTING

DATE: 03/13/2002

PATENT APPLICATION: US/10/082,636

TIME: 15:13:03

Input Set : A:\NOT01-NP002\_SEQ.TXT

Output Set: N:\CRF3\03132002\J082636.raw

```

4 <110> APPLICANT: Noth, Ulrich
5     Tuan, Rocky
7 <120> TITLE OF INVENTION: TRABECULAR BONE-DERIVED HUMAN
8     MESENCHYMAL STEM CELLS
10 <130> FILE REFERENCE: NOT01-NP002
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/082,636
C--> 12 <141> CURRENT FILING DATE: 2002-02-25
12 <150> PRIOR APPLICATION NUMBER: 60/270,977
13 <151> PRIOR FILING DATE: 2001-02-23
15 <160> NUMBER OF SEQ ID NOS: 22
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 20
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: synthetic oligonucleotide primer
27 <400> SEQUENCE: 1
28 ggacacaatg gattgcaagg                                20
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 20
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: synthetic oligonucleotide primer
38 <400> SEQUENCE: 2
39 taaccactgc tccactctgg                                20
41 <210> SEQ ID NO: 3
42 <211> LENGTH: 24
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: synthetic oligonucleotide primer
49 <400> SEQUENCE: 3
50 tggagcttca gaagctcaac acca                            24
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 24
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: synthetic oligonucleotide primer
60 <400> SEQUENCE: 4
61 atctcgttgt ctgagtacca gtcc                            24

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/082,636

DATE: 03/13/2002

TIME: 15:13:03

Input Set: A:\NOT01-NP002\_SEQ.TXT

Output Set: N:\CRF3\03132002\J082636.raw

```

63 <210> SEQ ID NO: 5
64 <211> LENGTH: 20
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: synthetic oligonucleotide primer
71 <400> SEQUENCE: 5
72 acgccgacca aggaaaactc                                20
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 25
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: synthetic oligonucleotide primer
82 <400> SEQUENCE: 6
83 gtccataaac cacactatca cctcg                            25
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 21
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: synthetic oligonucleotide primer
93 <400> SEQUENCE: 7
94 atgagagccc tcacactcct c                                21
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 21
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: synthetic oligonucleotide primer
104 <400> SEQUENCE: 8
105 gccgtagaag cgccgatagg c                                21
107 <210> SEQ ID NO: 9
108 <211> LENGTH: 21
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: synthetic oligonucleotide primer
115 <400> SEQUENCE: 9
116 gagatttctc tgtatggcac c                                21
118 <210> SEQ ID NO: 10
119 <211> LENGTH: 21
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: synthetic oligonucleotide primer
126 <400> SEQUENCE: 10
127 ctgcaaata gaacactttct c                                21
129 <210> SEQ ID NO: 11

```

## RAW SEQUENCE LISTING

DATE: 03/13/2002

PATENT APPLICATION: US/10/082,636

TIME: 15:13:03

Input Set : A:\NOT01-NP002\_SEQ.TXT

Output Set: N:\CRF3\03132002\J082636.raw

```

130 <211> LENGTH: 21
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: synthetic oligonucleotide primer
137 <400> SEQUENCE: 11
138 gctgttatgg gtgaaactct g 21
140 <210> SEQ ID NO: 12
141 <211> LENGTH: 22
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: synthetic oligonucleotide primer
148 <400> SEQUENCE: 12
149 ataaaggtgg agatgcaggc tc 22
151 <210> SEQ ID NO: 13
152 <211> LENGTH: 20
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: synthetic oligonucleotide primer
159 <400> SEQUENCE: 13
160 tttcccaggt caagatggtc 20
162 <210> SEQ ID NO: 14
163 <211> LENGTH: 20
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: synthetic oligonucleotide primer
170 <400> SEQUENCE: 14
171 cttcagcacc tgtctcacca 20
173 <210> SEQ ID NO: 15
174 <211> LENGTH: 21
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: synthetic oligonucleotide primer
181 <400> SEQUENCE: 15
182 gggaaaatga agacctgctg g 21
184 <210> SEQ ID NO: 16
185 <211> LENGTH: 23
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: synthetic oligonucleotide primer
192 <400> SEQUENCE: 16
193 cgaaaaggct gctgtttgga gac 23
195 <210> SEQ ID NO: 17
196 <211> LENGTH: 24

```

## RAW SEQUENCE LISTING

DATE: 03/13/2002

PATENT APPLICATION: US/10/082,636

TIME: 15:13:03

Input Set : A:\NOT01-NP002\_SEQ.TXT

Output Set: N:\CRF3\03132002\J082636.raw

```

197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: synthetic oligonucleotide primer
203 <400> SEQUENCE: 17
204 gcccaagagg tgcccctgga atac 24
206 <210> SEQ ID NO: 18
207 <211> LENGTH: 24
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: synthetic oligonucleotide primer
214 <400> SEQUENCE: 18
215 cctgagaaaag aggagtggac atac 24
217 <210> SEQ ID NO: 19
218 <211> LENGTH: 23
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: synthetic oligonucleotide primer
225 <400> SEQUENCE: 19
226 tgaggagggc tggaacaagt acc 23
228 <210> SEQ ID NO: 20
229 <211> LENGTH: 23
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: synthetic oligonucleotide primer
236 <400> SEQUENCE: 20
237 ggaggtggta attgcaggga aca 23
239 <210> SEQ ID NO: 21
240 <211> LENGTH: 20
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: synthetic oligonucleotide primer
247 <400> SEQUENCE: 21
248 gggctgcttt taactctggt 20
250 <210> SEQ ID NO: 22
251 <211> LENGTH: 20
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: synthetic oligonucleotide primer
258 <400> SEQUENCE: 22
259 tggcagggtt ttctagacgg 20

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/082,636

DATE: 03/13/2002

TIME: 15:13:04

Input Set : A:\NOT01-NP002\_SEQ.TXT

Output Set: N:\CRF3\03132002\J082636.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date